

20010809.qrp v02_n276.qrl.20010809

Date: Thu, 9 Aug 2001 19:03:12 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2276

QRP-L Digest 2276

Topics covered in this issue include:

- 1) [104443] Re: SMK-1 Tuning
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 2) [104444] limited-space antenna
by anthony@pacinfosb.com
- 3) [104445] Op Amp
by K4BYF@aol.com
- 4) [104446] RE: CUB FOX: Mea culpa (It's my fault).
by "Karl F. Larsen" <k5di@zianet.com>
- 5) [104447] Re: Op Amp
by "Robert P. Okas" <vintage@best.com>
- 6) [104448] NA-EU 40 Meter QRP Mobile!!!
by Richard Clem <clem.law@usa.net>
- 7) [104449] MFJ 1621
by Dragon Singer <WM-Scace@wiu.edu>
- 8) [104450] Still, Still more dials
by "John J. McDonough" <wb8rcr@arrl.net>
- 9) [104451] Re: Op Amp
by "Don Wines" <dwines@tyler.net>
- 10) [104452] WTB: Unbuilt 40A
by "Don Wines" <dwines@tyler.net>
- 11) [104453] NEQRP CW Net, Thursday, 9 August 01, 8:30 PM EDT, 3.565MHz
by Chuck Ludinsky <cjl@mitre.org>
- 12) [104454] ARRL & QRP
by lhlousek <lhlousek@nvtbell.net>
- 13) [104455] Re: So where to buy Amidon toroids?
by "John Mc Donough" <jpm1@bellatlantic.net>
- 14) [104456] Re: ARRL & QRP
by "Mark J. Dulcey" <mark@buttery.org>
- 15) [104457] NN1G MkII Txcvr Article Copy?
by <glentorr@ozemail.com.au>
- 16) [104458] Re: limited-space antenna
by Steve Yates <aa5tb@yahoo.com>
- 17) [104459] STRANGE RECIEVER PROBLEM
by "DONALD G. DORN" <DDORN@CWIS.NET>
- 18) [104460] Re: STRANGE RECIEVER PROBLEM
by Steve Yates <aa5tb@yahoo.com>
- 19) [104461] Re: Battery comparison testing

- by "John J. McDonough" <wb8rcr@arrl.net>
- 20) [104462] Re: Special Ed and Ham Radio
by John Farler <jfarler@peoplepc.com>
- 21) [104463] Re: Battery comparison testing
by "w8diz" <w8diz@fpqrp.com>
- 22) [104464] FOR SALE : In the spirit of the POQET PC
by "Walt Amos" <k8cv@netzero.net>
- 23) [104465] DX390 receiver problem...
by "Brian Murrey" <brian@iquest.net>
- 24) [104466] Re: DX390 receiver problem...
by "Phil (VA3UX)" <phil@vaxxine.com>
- 25) [104467] RE: CUB FOX: Mea culpa (It's my fault).
by Pete Burbank <plburbank@kih.net>
- 26) [104468] Re: So where to buy Amidon toroids?
by "Dave Fifield" <dave@redhotradio.com>
- 27) [104469] Expert Advice needed
by Dragon Singer <WM-Scace@wiu.edu>
- 28) [104470] Re: DX390 receiver problem...
by "Robert P. Okas" <vintage@best.com>
- 29) [104471] RE: FOR SALE : In the spirit of the POQET PC
by "Ray Goff" <radioham@gmx.co.uk>
- 30) [104472] Re: STRANGE RECIEVER PROBLEM
by David Newkirk <dpnewkirk@home.com>
- 31) [104473] Re: Expert Advice needed
by "Karl F. Larsen" <k5di@zianet.com>
- 32) [104474] Re: DX390 receiver problem...
by "Karl F. Larsen" <k5di@zianet.com>
- 33) [104475] Re: MFJ 1621
by "Larry Spinner" <n2icz@hotmail.com>
- 34) [104476] Re: So where to buy Amidon toroids?
by "E. Roswell" <eroswell@monmouth.com>
- 35) [104477] Re: Expert Advice needed
by "Dan Evans" <n9rla@yahoo.com>
- 36) [104478] Re: STRANGE RECIEVER PROBLEM
by Dan Tayloe <dtayloe@home.com>
- 37) [104479] FS NorCal 40A, lower price
by "Robert Friess" <rfriess@attglobal.net>
- 38) [104480] OT-DJ600 Printer help
by David Shalita <davidr@cnmnetwork.com>
- 39) [104481] ARRL SW Division QRP Forum
by "Phinizy, William" <wphinizy@filenet.com>
- 40) [104482] Where to find a 40673?
by John Rollins <kd7bcy@teleport.com>
- 41) [104483] Portable Antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 42) [104484] RE: Where to find a 40673?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 43) [104485] Portable Antenna & RadShack "Alligator clips"

- by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 44) [104486] Re: Where to find a 40673?
by "Mark J. Dulcey" <mark@buttery.org>
- 45) [104487] Re: Expert Advice needed
by "George, W5YR" <w5yr@att.net>
- 46) [104488] Re: FS NorCal 40A, lower price
by "Robert Friess" <rfriess@attglobal.net>
- 47) [104489] Re: Where to find a 40673?
by Bruce Muscolino <w6toy@erols.com>
- 48) [104490] Re: Where to find a 40673?
by "Ingo DK3RED" <dk3red@t-online.de>
- 49) [104491] MFJ-1621
by Tim ORourke <TORourke@KaiserFT.com>
- 50) [104492] Re: Where to find a 40673?
by "John Mc Donough" <jpm1@bellatlantic.net>
- 51) [104493] 40673 dual-gate MOSFET quality
by "AI2Q Alex" <ai2q@adelphia.net>
- 52) [104494] UPS deal at Office Max? Not in Dallas!
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 53) [104495] 40673 dual-gate MOSFET quality
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 54) [104496] Looking for Poqet PC
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
- 55) [104497] Re: UPS deal at Office Max? Not in Dallas!
by Dave Sjolín <sjolin@swbell.net>
- 56) [104498] New Elecraft product: KAF2 Audio Filter & Real-time clock
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 57) [104499] KAF2 Pictures
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 58) [104500] Results of the AUGUST SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 59) [104501] FS/FT: MFJ 9030
by "Pastor-KC1DI" <elbc@pivot.net>
- 60) [104502] Now Showing - The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
- 61) [104503] For Sale: PN2222A's
by Paul Womble <pwomble1@tampabay.rr.com>

Date: Wed, 8 Aug 2001 16:16:26 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'ad6we@hotmail.com'" <ad6we@hotmail.com>, "QRPL (E-mail)" <qrp-1@lehigh.edu>
Subject: [104443] Re: SMK-1 Tuning
Message-ID: <1D74B9231259D511B1AA0002B32C2896150B36@az10exm06.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

>Just put my new ScQRPions Stinger Singer together and it works great!
>Measured the TX on my SMK-1 and I get only about 900 Hz spread. Anyone know
>how to squeeze a little more out of that rig without going all the way with
>the PT0/VFO mod?

A simple thing to try is to parallel a second
7.040 crystal with the first one. It seems to me
this works by simply lowering the Q of the crystal
by a factor of two. I think that should give you
 $\sqrt{2}$ or 1.4x the tuning range you have right now,
an additional 360 Hz.

A second thing you could experiment with is to use
an air variable instead of the varactor diode. The
air variable would have a lower minimum "C", so you
might get more tuning range due to that. Worst case
it may chirp more or stop oscillating, but it is
easy to try.

The air variable might end up being bigger than the
rest of the rig!

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Wed, 8 Aug 2001 16:21:11 -0800
From: anthony@pacinfosb.com
To: n2icz@hotmail.com, qrp-1@Lehigh.EDU
Subject: [104444] limited-space antenna
Message-ID: <Chameleon.997313538.Anthony@PID038>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

"Has anyone had any positive qrp experiences with the MFJ-1621 portable
antenna?"

You might consider a small loop antenna. I was experimenting for a while
with a loop 36" on a side made from flashing aluminum from Home Depot. I
tuned it with some receiving-type variable caps and got pretty good results,
considering the size of the thing. I know the efficiency was pretty low, but
I could still make contacts without too much frustration. I sized it for
40m, but if you just wanted the higher bands, it could be even smaller. I got
better signal reports than with a random wire worked against a counterpoise.

The antenna is not ground dependent, and you can design it to work on several bands.

Mine is still sitting on my bench and I fire it up once in a while 'cuz it's such a kick to work someone with such a small antenna.

73, WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Wed, 8 Aug 2001 19:40:26 EDT
From: K4BYF@aol.com
To: qrp-l@lehigh.edu
Subject: [104445] Op Amp
Message-ID: <41.f60ec0b.28a327ea@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Can some one recommend a url for specs on op amp ic's ??
Thanks de Jack, K4BYF

Date: Wed, 8 Aug 2001 17:46:58 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Ray Goff <radioham@gmx.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104446] RE: CUB FOX: Mea culpa (It's my fault).
Message-ID: <Pine.LNX.4.33.0108081742240.9077-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sounds to me like we should have an ALL Europe Cub Fox Hunt. We could have Ray and Juan as Fox and start the hunt just as both Fox are on the Grey line just before dark. That would put the hunt early in Europe and quite early in the USA. Some QRP operators would have to sneak out to their cars from work to try working the Fox. All fun though and that's what we are after.

On Wed, 8 Aug 2001, Ray Goff wrote:

> All becomes explained.
>
> I stayed up for the chase (UK time is one hour behind Spain) just to see
> what the signals were like and heard nothing at all. W1AW, slightly higher
> up band, was a cracking signal, so I was suprised not to hear any anybody,
> but now all is explained.
>
> This all sounds like good fun, so I eagerly await the next one. However,
> 0200z (0300 local) is rather late for this hound...
>
> 72's de Ray g4fon
>
>
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Juanjo Pastor
> Sent: 08 August 2001 17:13
> To: Low Power Amateur Radio Discussion
> Subject: CUB FOX: Mea culpa (It's my fault).
>
>
> Hello hound puppies.
>
> I failed in my attempt of being your DX cub fox. I was very tired
> yesterday, so I set up my alarm clock to 00:50 AM in order to be at
> 1:00 AM (2300z) on the air but I never heard the alarm. I guess I was
> too tired to be on the air at wee wee hours. I am really sorry and
> hope to be given another chance to ammend the "accident". I have no
> more words, hope you understand...
>
> 73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742,
> QRP-L #1662.
>
> Juanjo Pastor
> C/San Roque, 4-1
> 46460 Silla
> SPAIN
>
> Tel.: +034 96 120 17 67
> Movil: 651 35 35 11
>
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 8 Aug 2001 16:51:15 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: K4BYF@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104447] Re: Op Amp
Message-ID: <Pine.BSF.4.21.0108081646160.21469-100000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jack,

Here's a few sites:

www.national.com
www.ti.com
www.onsemi.com
www.linear-tech.com

These sites should go a long way in providing the info you seek. If you have a specific chip in mind, but don't know the manufacturer, try searching for it at www.google.com .

73,
Bob - W3CD

On Wed, 8 Aug 2001 K4BYF@aol.com wrote:

> Can some one recommend a url for specs on op amp ic's ??
> Thanks de Jack, K4BYF
>

Date: 8 Aug 2001 18:52:30 CDT
From: Richard Clem <clem.law@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [104448] NA-EU 40 Meter QRP Mobile!!!
Message-ID: <20010808235230.5790.qmail@nwcst339.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: quoted-printable

For those who don't like posts bragging about QSO's, please hit the delete key right away :)

I recently got a new (old) minivan, and although I haven't had time to install a QRO rig, I did mount my 40-meter Hamstick. Since I had a trunk mount, I simply mounted it at the top of the tailgate. It is off to one side and is not quite vertical, so it does scrape the occasional tree. I also connected about 33 feet of wire to the ground side of the antenna, and that runs underneath the bottom of the van.

Anyway, since I don't have the QRO rig installed (and probably won't bother), I decided to give it a try the last few days with the MFJ-9040. (That rig doesn't put out much audio, but I did have in my junkbox an adapter which plugs into the headphone jack and into the car cassette player).

Last weekend, I worked around 20 QSO's in the NA Sprint. Anyway, last night on my way home from work at about midnight, I turned on the rig. There were not many signals, but I did hear a 599 CQ, so I waited to answer. I was almost ready to QSY when I heard that he was actually calling CQ DX, but before I could do so, I heard his call-- F6ARC!

I didn't think I had much of a chance, but I decided to give him a call. Much to my surprise, he came back with QRP?. It took quite a few attempts, but he did copy my call and report. He gave me a 349. I think he was surprised when I started signing W0IS/M. He then asked for my power, and he did QSL my 5 watts.

This just shows that successful QRP operating often depends on the skill of the op at the other end!

So pardon my bragging, but I think I have some bragging rights here--a QS=

0

from North America to Europe--QRP--Mobile--in motion--on 40 meters--in
summer--with a straight key!! Can anyone top that??

I sent his QSL by airmail this morning!

</ bragging mode>

73,
Rick W0IS

Date: Thu, 09 Aug 2001 00:00:26 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104449] MFJ 1621
Message-ID: <5.1.0.14.0.20010808235316.00afacc0@pop3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,

Wayne K9DI es Sequoia here. I'm responding about the MFJ 1621. I
had one until a few days ago (being a ham I tried to take it apart and fix
it). I could listen with it great, but couldn't get the blasted thing to
tune up on any of the bands. Luckily I only paid \$15.00 for it. I would
recommend to your friend that they check out Budd W3FF's webpage about his
5 band portable dipole. The URL is www.qsl.net/w3ff/ .

The University that I attend bans all outside antennas including
satellite receiver dishes. Currently I go to my XYL's van if I want to
play on HF, but I'm hoping that the portable dipole will be a good antler
for me to use inside my apartment.

Just my \$.02 worth.

72 es 00

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
LICQ# 315313
FISTS# 4409
QRP-L# 2313
FPQRP-L# 217
SOC# 452
ARS No. 1,082

Date: Wed, 8 Aug 2001 20:10:35 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104450] Still, Still more dials
Message-ID: <002401c12067\$d4a9c260\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

You asked for it, you got it. A Win32 compile of the command-line Panel program is available at:

<http://hfradio.org/wb8rcr/downloads/Panel-1.9.W32.zip>

The updated Linux archive is

<http://hfradio.org/wb8rcr/downloads/Panel-1.9.tar.gz>

This is a console application - it has no GUI. It reads a script that describes the panel you want, and outputs a PostScript for the panel. This means you need either a PostScript printer, or a program for interpreting PostScript such as GhostScript.

I will probably eventually do a full blown Windows version of the Panel program, but the operative word here is eventually!

This has generated quite a bit of interest. So far, according to my web provider, the number of downloads:

Dial.zip	368	(8/3)
Dial.tar.gz	95	(8/5)
Panel-1.6.tar.gz	66	(8/7)
Panel-1.9.tar.gz	12	(8/8)

Surprising for something with such a limited audience.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Wed, 8 Aug 2001 19:15:07 -0500

From: "Don Wines" <dwines@tyler.net>
To: <K4BYF@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104451] Re: Op Amp
Message-ID: <008e01c12068\$589c2400\$ca374c42@mshome.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Jack,

Here are a few links where there are plenty of data sheets on most of the popular discreet devices.

National Semiconductor at <http://www.national.com/catalog/> ,
Texas Instruments at <http://focus.ti.com/docs/analog/> ,
Fairchild Semiconductor at <http://www.fairchildsemi.com/products/> ,
Maxim (Dallas Semiconductor at <http://www.maxim-ic.com/> .

It I'm looking for a specific device I usually just plug in the device name (ie, LM386) in Google or other search engines and follow the bouncing ball to the data sheets (most of which are in the Adobe Acrobat PDF format), download and print it. I have a directory on my hard drive where I store the electronic copies.

Hope this helps.

----- Original Message -----

From: <K4BYF@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 08, 2001 6:40 PM
Subject: Op Amp

> Can some one recommend a url for specs on op amp ic's ??
> Thanks de Jack, K4BYF

Date: Wed, 8 Aug 2001 19:21:58 -0500
From: "Don Wines" <dwines@tyler.net>
To: "QRP-L LIST" <qrp-l@lehigh.edu>
Subject: [104452] WTB: Unbuilt 40A
Message-ID: <00a001c12069\$4d3a3600\$ca374c42@mshome.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

I'm looking for an _unbuilt_ Norcal 40A.

If one of you kit hoarders out there has one that you are willing to part with, please let me know off-list.

Thanks in advance,

72

Don, K5DW

k5dw@arrl.net

QRP-L #2083 QRP-ARCI #10145 NETXQRP #3

Visit the NETXQRP Web Site at <http://www.netxqrp.org>

Date: Wed, 08 Aug 2001 20:36:31 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [104453] NEQRP CW Net, Thursday, 9 August 01, 8:30 PM EDT, 3.565MHz
Message-ID: <3B71DB0F.2F24F7A6@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 9 August 01, at 8:30 PM EDT (0030Z, 10 August 01) on or near 3.565 MHz. Net control operator for this week's 80M session will be John, WB1HBE, operating from Chelmsford, MA.

Last week's net, with generally favorable conditions on 80M, had five check-ins. Net control operator was Chuck, K1CL, also operating from Chelmsford, MA. Participants included:

N1ZSW	Ron	Worcester, MA	579
W1CFI	Paul	Cape Cod, MA	589
K1RC	John	Dracut, MA	599
N1EI	Charlie	Mansfield Center, CT	599
W1PID	Jim	Sanbornton, NH	599
K1CL	Chuck	Chelmsford, MA	net control

The key item for discussion was the upcoming NEQRP Club meeting at ARRL HQ. Paul, the club treasurer provided a treasurer's report via the net, since he was not able to attend the meeting. [Of course, I then forgot to take the info to the meeting with me.]

With the hot and humid weather continuing through Friday, we probably can expect a lot of static noise on 80M. Nonetheless, the strong signal conditions appear to be holding up, so we should had a good net Thursday night. Stop by and say hello to John and everyone on the net.

72 DE K1CL,
Chuck

Date: Wed, 08 Aug 2001 17:51:35 -0700
From: lhlousek <lhlousek@nvhbell.net>
To: QRP-L list <qrp-l@Lehigh.EDU>
Subject: [104454] ARRL & QRP
Message-ID: <009601c1206d\$70eba4e0\$650dfea9@nvhbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

<<<. A small area on the east side of the room has been set aside for a low-power (QRP) station. It awaits equipment and is not yet operational.
>>>

The above is a quote from an article on the ARRL website describing W1AW. <http://www.arrl.org/news/features/2001/08/07/1/?nc=1>

Very cool. I wonder what equipment it is awaiting.

Lou W7DZN

Date: Wed, 8 Aug 2001 21:06:04 -0400
From: "John Mc Donough" <jpm1@bellatlantic.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104455] Re: So where to buy Amidon toroids?
Message-ID: <025a01c1206f\$76e71940\$1a5bfea9@jpm1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On that note, I am noticing that broadband transformer designs found in older articles such as "An Optimized QRP transceiver for 40 M" specify FT-37-42 toroids which I can't seem to find in either Amidon or Palomar

literature. Is type 42 ferrite extinct and if so, what creature has risen from the sea to take its place ?

----- Original Message -----

From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 08, 2001 4:59 PM
Subject: So where to buy Amidon toroids?

> Well,
>
> Radio Shack has them, and at a pretty fair price!
>
> I just bought three FT-114-43's for \$2.25 per part.
>
> 73, Rod N0RC
> Ft Collins, CO
>

Date: Wed, 08 Aug 2001 21:09:06 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: lhlousek@nvhbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104456] Re: ARRL & QRP
Message-ID: <3B71E2B2.497F3AF0@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

lhlousek wrote:

>
> <<<. A small area on the east side of the room has been set aside for a
> low-power (QRP) station. It awaits equipment and is not yet operational.
> >>>
>
> The above is a quote from an article on the ARRL website describing
> W1AW. <http://www.arrl.org/news/features/2001/08/07/1/?nc=1>
>
> Very cool. I wonder what equipment it is awaiting.

The ARRL has a K2 that was donated by Elecraft, but which has not yet been built, according to the station operator who was there last Saturday during the NEQRP meeting. I imagine that it will be the rig at

the QRP station.

Date: Thu, 9 Aug 2001 11:17:07 +1000
From: <glentorr@ozemail.com.au>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104457] NN1G MkII Txcvr Article Copy?
Message-ID: <20010809011707.WHMR25394.mta06.mail.mel.aone.net.au@[127.0.0.1]>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Everyone,

I am looking for a copy of the article describing this rig, from memory it was in a hanbook some years ago which I dont have any longer.

If anyone could copy and mail to me I would get some greenstamps to you to pay.

Many thanks for any help.

Glen Torr VK1FB

This message was sent through MyMail <http://www.mymail.com.au>

Date: Wed, 8 Aug 2001 18:55:30 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104458] Re: limited-space antenna
Message-ID: <20010809015530.83986.qmail@web14603.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I have played around a lot with small loops just for the fun of it. I have had very good results from motel rooms, indoors, underneath trees, etc. with small loops. I have some more information on the following Web page:

<http://www.geocities.com/aa5tb/loop.html>

=====
Steve Yates

Call: AA5TB
E-Mail: aa5tb@arrl.net
Location: Fort Worth, TX - Grid EM12gs
Web Page: <http://www.geocities.com/aa5tb>

Do You Yahoo!?

Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Wed, 08 Aug 2001 20:56:09 -0500
From: "DONALD G. DORN" <DDORN@CWIS.NET>
To: Low Power Amateur Radio Discussion <QRP-L@LEHIGH.EDU>
Subject: [104459] STRANGE RECIEVER PROBLEM
Message-ID: <3B71EDB9.6168BCB2@CWIS.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have been playing with a HB receiver that is exhibiting some strange behavior. As I tune from zero beat to the outer audible limit of the received signal instead of the tone changing smoothly as it goes up in pitch it changes in a well defined stair step fashion. The VFO has plenty of bandspread so it isn't just a jump in freq. I have isolated the problem to the detector, a TUF-1, or the audio stages. Anybody seen this before. And, did your hair grow back?

73,

Don K5AAR

Lake Eufaula, Ok

Date: Wed, 8 Aug 2001 19:02:53 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104460] Re: STRANGE RECIEVER PROBLEM
Message-ID: <20010809020253.54468.qmail@web14606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Don,

I wonder how your VFO is tuned? Via a variable capacitor or a resistive potentiometer?

I have noticed that some 10-turn pots actually tune in very minute

steps due to their construction and this has created the effect that you are noticing for me in the past.

=====

Steve Yates

Call: AA5TB

E-Mail: aa5tb@arrl.net

Location: Fort Worth, TX - Grid EM12gs

Web Page: <http://www.geocities.com/aa5tb>

Do You Yahoo!?

Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Wed, 8 Aug 2001 22:32:58 -0400

From: "John J. McDonough" <wb8rcr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [104461] Re: Battery comparison testing

Message-ID: <03ac01c1207b\$9bd0c060\$010044c0@baycty1.mi.home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

The battery data thing made me think of something I've been meaning to report on for a while.

Some time back, Chuck Adams was asking on this reflector about some LED data that led me to suspect he was looking at LEDs as lighting rather than indicators. I had been thinking along similar lines for a while, but his note got me to thinking if there were really practical uses.

One lightweight application seemed to me to be for night lights. A little back of the envelope calculations led me to suspect that I could get perhaps 4-6 days of lighting out of a pair of AAs. I figured if that really were the case, perhaps some circuitry to cause the light to come on only when needed, like sound or motion detection, might make an LED night light practical.

I decided to run the experiment, make something that I could put in the bathroom to see if it provided enough light, and would last a practical amount of time. You see, I have this suspicion that LEDs take a LOT of power, and I guess I was just distrustful of the math.

I also didn't want to use a dropping resistor because that was wasting power. I had some ultra-bright white LEDs with a little over 3 volt drop, and again, IN THEORY, should only draw about 20 mils from a pair of batteries. However, I was pretty sure that without the resistor the current would just avalanche and the batteries would be sucked dry in a few minutes.

I decided that using D cells was mechanically simpler, I could just solder the LED to the batteries and they would stand up by themselves. For an experiment that would only last a week, tops, it seemed like a reasonable thing to do. Later I could just do the translation between the capacity of the D cell and the AA's that I expected to use.

Well, once connected to the batteries, the LED lit, and it didn't self destruct. Nothing got hot, so I went upstairs to see if it delivered useful light.

Our bathroom is mostly wood, so pretty much all the surfaces, including the ceiling, are pretty dark. My initial thought of putting it on a shelf and letting a little light bounce off the ceiling wasn't very practical with mahogany ceilings. And the LED light was surprisingly harsh. I finally decided to set it on the window sill, behind the curtain.

Even with the curtain filtering the light, there was plenty of light to see your way around, and it even provided a nice gentle shaft of light into the hallway. Having concluded that a single LED could produce useful light, all that was necessary was to wait to see how much battery life I could expect.

Well, the math was right and my gut was wrong. With a voltage drop over 3 volts, the current limiting resistor wasn't needed, the batteries didn't get sucked dry immediately. However, I still don't have my answer. I began that experiment in February, and although the LED has dimmed some, it is still providing useful light after being on continuously all that time. Over 4000 hours and still going!

Maybe I don't need to be quite so elaborate in my battery preservation circuitry.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Wed, 08 Aug 2001 05:49:05 -0400
From: John Farler <jfarler@peoplepc.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Cc: TORourke@KaiserFT.com, w1rfi@arrl.org, vec@arrl.org

Subject: [104462] Re: Special Ed and Ham Radio
Message-ID: <3B710B11.84139C8@peoplepc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I meant to comment on this before, but Ed's and Bart's message jogged my memory tonight.

As a VE and head of a VE team, this type of question has concerned me before.

But normally it is up to the individual examinee to provide proper documentation,
as stated below. Here are some additional thoughts:

As I remember. the person in question was a student, and therefore is probably
in a special program at his school. In that case, I believe that it would be
most appropriate (and maybe easier and more accurate) to get the required info
from the school he is attending for modification of the testing procedures.

Also, the question involved a learning handicap, not a physical handicap, which

Bart mostly describes below, and which we VE's are more familiar with.

In all such learning handicapped situations, under law, there is a personal
program written by the school and other professional personnel outlining what
educational modifications and procedures are to be used to assist the student in the learning process. The parents would have to sign a release
at the school to have this information sent to a third party, although, they should have been given a copy of all materials during individual meetings
with school personnel, and should have been involved in the program's development.

All modifications in the instructional program routinely apply to examination
situations, also. These modifications might include having someone read the questions and
possible answers, and mark the chosen answers; assistive devices for visual or auditory
(physical) handicaps; perhaps use of a computer when other coordination is involved;
right up to varying the pacing, time, and length of the examination

sessions,
and many other modifications.

I believe the student's IEP (Individual Education Plan, unless the federal bureaucracy has changed the title) will give all info needed to modify testing for school-aged individuals, and is certainly appropriate under the Americans with Disabilities Act (ADA), which governs all such matters, including those mentioned by Bart.

I think this would be easier and less expensive and just as legal under the law as using an ordinary physician, who may have no expertise in a particular area of learning handicap. Of course if there is a non-school professional working with the individual, that person could also provide info.

I hope I am right in saying it doesn't necessarily take a physician to certify the modification of testing procedures. From what Bart says below, the team can decide, and they will get the best information from those who work with the student daily (including parents.) Even if it does require a physician's letter, it would help to know the student's usual modifications to the learning and testing environment to increase his possibility of success. I hope this will help. It's something many VE teams might need to know, if we are going to get young folks into Amateur Radio.

Good luck, 73,
John Farler
K4AVX
Hazard, Ky.

ARRL Assistant Director, Great Lakes Division
ARRL VE; WCARS VE;
(ex-W5YI VE, never again, but that's another story)
& (burnt-out old retired school administrator)

>Jahnke, Bart, W9JJ
> Ed:
>
> For the list...

>
> FCC requires volunteer examiners to accommodate an examinee who requires a
> special examination procedure. Most often this involves the VEs providing
> the examination at a location other than the usual exam site (even at
> bedside), or reading or writing for the person who requires assistance. In
> determining such need the VEs may require the examinee to provide a
> statement from a physician indicating the nature of the disability. If the
> disability is not apparent, the statement may be mandatory (as determined by
> the VEs consistent with FCC Rules Section 97.509).
>
> Only in a handful of extreme circumstances have written exams been divided
> up in to a few discrete parts--then administered in parts--and finally
> graded on the whole. And each was structured based on the specific
> circumstances required by that person.
>
> If an ARRL VE is approached about such a special procedure, after reviewing
> any physician's statement relevant to special needs, that VE may consult
> with us at the ARRL VEC to determine which administrative procedure(s) may
> be appropriate.
>
> 73,
>
> Bart J. Jahnke, W9JJ
> Manager
> ARRL VEC

Date: Wed, 8 Aug 2001 22:45:20 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [104463] Re: Battery comparison testing
Message-ID: <00bc01c1207d\$55563b40\$7ecd1b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hey John,

Connect about 40 or 50 of them suckers in series and plug them into your wall
socket. That should light up the room real good; and you'll get more sleep not
worrying about the life of any battery :-)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----

From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 08, 2001 10:32 PM
Subject: Re: Battery comparison testing

Well, the math was right and my gut was wrong. With a voltage drop over 3 volts, the current limiting resistor wasn't needed, the batteries didn't get sucked dry immediately. However, I still don't have my answer. I began that experiment in February, and although the LED has dimmed some, it is still providing useful light after being on continuously all that time. Over 4000 hours and still going!

Date: Wed, 8 Aug 2001 19:25:09 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: "List Qrp-1" <qrp-1@lehigh.edu>
Subject: [104464] FOR SALE : In the spirit of the POQET PC
Message-ID: <000101c12080\$0d2adc60\$87d43604@NetZeroUser>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Interested parties:

I have an old junker XT laptop with a mighty 2K of memory, DOS in ROM and a 3.5 " 1.4 Mb floppy, with a funky black and white screen. The beast is called a T1000SE ! If anyone is interested I will turn it on and see if it works. :-) It does have an external power supply and I have all the books for it.

Whoopee this can be YOURS for the piddling sum of \$50 bucks, but all offers will be considered, as long as they include POSTAGE ;-)

Don't let this bargain slip through your fingers, run , don't walk to the nearest computer and send me e-mail!

It can be YOURS for a piddling sum. :-)

Chance of a lifetime to work with technology from the beginning of TIME no \$500 dollar cords to buy!

Walt K8CV Royal Oak, MI

NetZero Platinum
Sign Up Today - Only \$9.95 per month!
<http://my.netzero.net/s/signup?r=platinum&refcd=PT97>

Date: Wed, 8 Aug 2001 22:04:25 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>
Subject: [104465] DX390 receiver problem...
Message-ID: <008801c1207f\$ffcac9e0\$b4352bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a DX390 from Radio Shack. It's been working great up until about 6 months ago. I am powering it with a 6vdc 300mA wall wart. When I first turn it on, the thing works great. After about an hour or so the thing starts blinking BATT on the display and starts cutting in and out. The freq indicator doesn't change, it stays on frequency but the audio cuts in and out, sometimes sounds like water dripping (weird huh?) when this cutting in and out starts up. When I first plug in the power supply I some times get a flashing E on the display for a few secs and then it goes blank. I hit the power button and it works for a bit then starts cutting in and out.

This wall wart I have is from an old Cannon printer. Do you think the wall wart is failing? I don't know why the BATT indicator would be coming on. I don't have any D cells in it...and I have fresh AA's in for the clocking.

Anyone have any ideas?

Thanks

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Sun, 08 Jul 2001 23:15:26 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: brian@iquest.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104466] Re: DX390 receiver problem...
Message-ID: <5.0.2.1.0.20010708231219.009fbcd0@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Open the radio and check the wall wart voltage while under load (with the radio on, when the trouble starts). See if the wall wart voltage is sagging significantly.

Water drip sound ! I've heard of this before - with guitar amplifiers. I'll see if I can find the post that mentions the cause of this in guitar amps. It may apply to your radio too. Check the supply voltage first though.

Phil

At 10:04 PM 8/8/2001 -0500, Brian Murrey wrote:

>I have a DX390 from Radio Shack. It's been working great up until about 6
>months ago. I am powering it with a 6vdc 300mA wall wart. When I first turn
>it on, the thing works great. After about an hour or so the thing starts
>blinking BATT on the display and starts cutting in and out. The freq
>indicator doesn't change, it stays on frequency but the audio cuts in and
>out, sometimes sounds like water dripping (weird huh?) when this cutting in
>and out starts up. When I first plug in the power supply I some times get a
>flashing E on the display for a few secs and then it goes blank. I hit the
>power button and it works for a bit then starts cutting in and out.

>

>This wall wart I have is from an old Cannon printer. Do you think the wall
>wart is failing? I don't know why the BATT indicator would be coming on. I
>don't have any D cells in it...and I have fresh AA's in for the clocking.

>

>Anyone have any ideas?

>

>Thanks

>

>=====

> KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
> 39.558 N 86.095 W Johnson Co., Indiana
> GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
> Member of the American Radio Relay League - SOC #400
> FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57

>=====

Date: Wed, 08 Aug 2001 23:22:26 -0400
From: Pete Burbank <plburbank@kih.net>
To: k5di@zianet.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104467] RE: CUB FOX: Mea culpa (It's my fault).
Message-ID: <5.0.2.1.0.20010808231341.00acb920@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:46 PM 8/8/2001 -0600, Karl F. Larsen wrote:

>Sounds to me like we should have an ALL Europe Cub Fox Hunt. We could have
>Ray and Juan as Fox and start the hunt just as both Fox are on the Grey
>line just before dark. That would put the hunt early in Europe and quite
>early in the USA. Some QRP operators would have to sneak out to their cars
>from work to try working the Fox. All fun though and that's what we are
>after.
>

Great Idea Karl! It would also contribute to the goal of the hunt as a
propagation
study.
73 NV4V

Date: Wed, 8 Aug 2001 23:17:15 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104468] Re: So where to buy Amidon toroids?
Message-ID: <001101c1209a\$f285ec40\$0200a8c0@pachbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has Bytemark folded? Their website has gone and
a toroid order I made a couple of months ago was
never fulfilled. Anyone know what's going on there?

72, Dave Fifield, AD6A

Date: Thu, 09 Aug 2001 07:18:07 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104469] Expert Advice needed
Message-ID: <5.1.0.14.0.20010809071626.02219848@pop3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,
Wayne K9DI es Sequoia here. I need to draw on the knowledge base here on QRP-L.
I've been looking around at tuners and the MFJ-945E at \$100.00 seems to be a great deal. Is this something I should jump on or should I keep looking. The Vectronics VC300M for \$100.00 looks alright for my needs as well.
A question comes to mind. How hard and expensive would it be for me to homebrew an antenna tuner that can handle 160-6 metres? That is easily usable by a visually impaired person? Tnx in advance fer Ur help es advice
72 es 00

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
LICQ# 315313
FISTS# 4409
QRP-L# 2313
FPQRP-L# 217
SOC# 452
ARS No. 1,082

Date: Thu, 9 Aug 2001 01:21:09 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: "Phil (VA3UX)" <phil@vaxxine.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104470] Re: DX390 receiver problem...
Message-ID: <Pine.BSF.4.21.0108090115410.5105-100000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 8 Jul 2001, Phil (VA3UX) wrote:

> Water drip sound ! I've heard of this before - with guitar
> amplifiers. I'll see if I can find the post that mentions the cause of
> this in guitar amps.

I can get the same effect, deliberately, when I turn the reverb all
the way up on my Fender Twin! That's how the "Surf Sound" got started ;-}

73,
Bob - W3CD

Date: Thu, 9 Aug 2001 11:00:40 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [104471] RE: FOR SALE : In the spirit of the POQET PC
Message-ID: <FDEOKGEJJFNPABJIJGDDGECNCIAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The T1000SE is a great PC which runs DOS 2.11. I get >5 hours of battery
life from my unit which is also still working. The screen is CGA compatible
and if the PC has the RAMDISK option you can store up to 720K of
data/programmes in it. The batteries are half size C cell rechargables (if I
recall correctly) and I have certainly purchased spare batteries and
installed them - none of the specialist packaging which came with later
laptops.

By the way, without the hard drive etc. it is also very light.

Ray g4fon

(By the way I have no vested interest in the PC, I just thought folks might
like more details)

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Walt Amos
Sent: 09 August 2001 00:25
To: Low Power Amateur Radio Discussion

Subject: FOR SALE : In the spirit of the POQET PC

Interested parties:

I have an old junker XT laptop with a mighty 2K of memory, DOS in ROM and a 3.5 " 1.4 Mb floppy, with a funky black and white screen. The beast is called a T1000SE ! If anyone is interested I will turn it on and see if it works. :-) It does have an external power supply and I have all the books for it.

Whoopee this can be YOURS for the piddling sum of \$50 bucks, but all offers will be considered, as long as they include POSTAGE ;-)

Don't let this bargain slip through your fingers, run , don't walk to the nearest computer and send me e-mail!

It can be YOURS for a piddling sum. :-)

Chance of a lifetime to work with technology from the beginning of TIME no \$500 dollar cords to buy!

Walt K8CV Royal Oak, MI

NetZero Platinum
Sign Up Today - Only \$9.95 per month!
<http://my.netzero.net/s/signup?r=platinum&refcd=PT97>

Date: Thu, 09 Aug 2001 06:59:30 -0400
From: David Newkirk <dpnewkirk@home.com>
To: qrp-1@Lehigh.EDU
Subject: [104472] Re: STRANGE RECIEVER PROBLEM
Message-ID: <3B726D12.1EBB3DC5@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don, K5AAR, wrote:

"As I tune from zero beat to the outer audible limit of the

received signal instead of the tone changing smoothly as it goes up in pitch it changes in a well defined stair step fashion....Anybody seen this before?"

Assuming that you're not using a synthesized VFO that's desired to tune in discrete steps, a likely cause of this is that you're using a voltage-tuned VFO and varying the tuning voltage with a wirewound, rather than carbon composition, potentiometer. Such a control varies its resistance in small jumps as its moving contact slides across the turns of its winding, much as selecting different taps along a inductor's winding varies the resulting inductance in discrete steps.

73,

Dave Newkirk, W9VES
dpnewkirk@home.com

Date: Thu, 9 Aug 2001 05:49:09 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Dragon Singer <WM-Scace@wiu.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104473] Re: Expert Advice needed
Message-ID: <Pine.LNX.4.33.0108090545470.1218-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wayne the MFJ-945E and Vectronics VC300M are the same exact tuners. MFJ=Vectronics. I have 2 of the older MFJ 300 watt tuners and they are quality devices. The price has been \$100 for like 10 years so you don't need to jump at the chance.

On Thu, 9 Aug 2001, Dragon Singer wrote:

> Hi Gang,
> Wayne K9DI es Sequoia here. I need to draw on the knowledge base
> here on QRP-L.
> I've been looking around at tuners and the MFJ-945E at \$100.00
> seems to be a great deal. Is this something I should jump on or should I
> keep looking. The Vectronics VC300M for \$100.00 looks alright for my needs
> as well.
> A question comes to mind. How hard and expensive would it be for me to
> homebrew an antenna tuner that can handle 160-6 metres? That is easily
> usable by a visually impaired person? Tnx in advance fer Ur help es advice
> 72 es 00

>
> Respectfully and Sincerely Yours,
>
> Wayne M. Scace
>
> k9di@arrl.net
> LICQ# 315313
> FISTS# 4409
> QRP-L# 2313
> FPQRP-L# 217
> SOC# 452
> ARS No. 1,082
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 9 Aug 2001 05:53:36 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Brian Murrey <brian@iquest.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104474] Re: DX390 receiver problem...
Message-ID: <Pine.LNX.4.33.0108090551240.1218-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I think your wall wart is going bad. You can verify this by buying a set of batteries and see if it runs with out a battery error signal. Take them out and use them in flashlights. Gat a better wall wart.

On Wed, 8 Aug 2001, Brian Murrey wrote:

> I have a DX390 from Radio Shack. It's been working great up until about 6
> months ago. I am powering it with a 6vdc 300mA wall wart. When I first turn
> it on, the thing works great. After about an hour or so the thing starts
> blinking BATT on the display and starts cutting in and out. The freq
> indicator doesn't change, it stays on frequency but the audio cuts in and
> out, sometimes sounds like water dripping (weird huh?) when this cutting in
> and out starts up. When I first plug in the power supply I some times get a
> flashing E on the display for a few secs and then it goes blank. I hit the
> power button and it works for a bit then starts cutting in and out.

>
> This wall wart I have is from an old Cannon printer. Do you think the wall
> wart is failing? I don't know why the BATT indicator would be coming on. I
> don't have any D cells in it...and I have fresh AA's in for the clocking.
>
> Anyone have any ideas?
>
> Thanks
>
> =====
> KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
> 39.558 N 86.095 W Johnson Co., Indiana
> GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
> Member of the American Radio Relay League - SOC #400
> FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
> =====
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 9 Aug 2001 09:28:16 -0400
From: "Larry Spinner" <n2icz@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104475] Re: MFJ 1621
Message-ID: <OE73mEaJswFCH0zyfyz0000b8fb@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My thanks to all for the suggestions! There are so many more options than
the 1621... Again thanks.

N2ICZ

Date: Thu, 09 Aug 2001 10:05:55 -0400
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-l@Lehigh.EDU
Subject: [104476] Re: So where to buy Amidon toroids?
Message-ID: <3B7298C3.C1281041@monmouth.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can go directly to the Amidon website and order on-line, or get a catalog and paper-order:
http://www.amidoncorp.com/f_ham.htm

You can call or mail to:
Amidon Associates, Inc.
1510 E. Edinger Avenue, Unit B
Santa Ana CA 92705, USA

Toll-Free: 800-377-3244
Local: 714-547-4446
Fax: 714-547-4433

No dealer listings on their site, so no hint as to where Bytemark went.
73, Ed.
K2MGM

Date: Thu, 9 Aug 2001 09:04:35 -0700
From: "Dan Evans" <n9rla@yahoo.com>
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [104477] Re: Expert Advice needed
Message-ID: <008801c120ec\$fda675c0\$0101a8c0@danevans>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I had the MFJ 945D for a long time. It worked well after I opened it up and repaired several bad solder joints. I wouldn't hesitate to buy another, but I would sure open it up and inspect it before I tried to use it...

73
Dan

Dan Evans N9RLA
Scottsburg, IN 47170
{EM78}
IN-Ham list administrator
QRP-1 #1269
1/2 of the N9RLA /R no budget Rover Team

Check out the Rover Resource Page at:
<http://www.qsl.net/n9rla>

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 09, 2001 4:49 AM
Subject: Re: Expert Advice needed

>
> Wayne the MFJ-945E and Vectronics VC300M are the same exact
> tuners. MFJ=Vectronics. I have 2 of the older MFJ 300 watt tuners and they
> are quality devices. The price has been \$100 for like 10 years so you
> don't need to jump at the chance.
>
>
> On Thu, 9 Aug 2001, Dragon Singer wrote:
>
> > Hi Gang,
> > Wayne K9DI es Sequoia here. I need to draw on the knowledge
base
> > here on QRP-L.
> > I've been looking around at tuners and the MFJ-945E at \$100.00
> > seems to be a great deal. Is this something I should jump on or should
I
> > keep looking. The Vectronics VC300M for \$100.00 looks alright for my
needs
> > as well.
> > A question comes to mind. How hard and expensive would it be for me
to
> > homebrew an antenna tuner that can handle 160-6 metres? That is easily
> > usable by a visually impaired person? Tnx in advance fer Ur help es
advice
> > 72 es 00
> >
> > Respectfully and Sincerely Yours,
> >
> > Wayne M. Scace
> >
> > k9di@arrl.net
> > LICQ# 315313
> > FISTS# 4409
> > QRP-L# 2313
> > FPQRP-L# 217
> > SOC# 452
> > ARS No. 1,082
> >

> >
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 09 Aug 2001 07:18:35 -0700
From: Dan Tayloe <dtayloe@home.com>
To: DDORN@CWIS.NET, qrp-1 <qrp-1@Lehigh.EDU>
Subject: [104478] Re: STRANGE RECIEVER PROBLEM
Message-ID: <3B729BBB.AFD6673B@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>I have been playing with a HB receiver that is exhibiting some strange
>behavior. As I tune from zero beat to the outer audible limit of the
>received signal instead of the tone changing smoothly as it goes up in
>pitch it changes in a well defined stair step fashion. The VFO has
>plenty of bandspread so it isn't just a jump in freq. I have isolated
>the problem to the detector, a TUF-1, or the audio stages. Anybody seen
>this before. And, did your hair grow back?

Don:

I have seen this happen before when using a ten turn pot. These pots
are
wirewound, so depending on the tuning range of the VFO, you can hear the
frequency step as the pot moves from one loop of wire to the next loop
of
wire.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Thu, 9 Aug 2001 07:50:48 -0700
From: "Robert Friess" <rfriess@attglobal.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [104479] FS NorCal 40A, lower price
Message-ID: <01ae01c120e2\$ada5b360\$6501a8c0@1GHzPentiumIII>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The asking price must have been too high. One more try before it goes to ebay.

For Sale

NorCal 40A with KC1. Excellent physical and electrical condition. No Mods. I can't find a scratch on it. This beauty can be seen at:

www.geocities.com/refriess/NorCal40A.jpg

\$125 shipped to your door in conus.

73,

Bob, N6CM

Date: Thu, 09 Aug 2001 07:49:04 -0700
From: David Shalita <davidr@cnmnetwork.com>
To: qrp-l@Lehigh.EDU
Subject: [104480] OT-DJ600 Printer help
Message-ID: <3B72A2E0.B0A30323@cnmnetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I want to thank the qrp-l GROUP MEMEBERS for their MANY HELPFUL suggestions that did get my DJ600 printing BW and some colors too.

73, W6MIK, Dave

Date: Thu, 9 Aug 2001 08:17:10 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "QRP-l Forum (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [104481] ARRL SW Division QRP Forum
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B7727B@hq-expo2.filenet.com>

Well, now that Fort Tuthill has passed, I'll bet you're looking at the calendar and saying to yourself, "Hmmm, not a lot going on until Pacificon in October." Well, you are about to get rescued from those doldrums. We're announcing the QRP Forum at the ARRL SW Division Convention -- and it's planned for Sept. 7-9, 2001 at the Convention Center in Riverside, California!

I know, it's not a catchy title like SmogCon, or SCQRPCon, or anything like that, but check out the planned activities:

We'll have speakers the likes of:

Doug Hendricks, KI6DS, "QRP - putting the fun back in Ham Radio"
Jim "Dr. Megacycle" Duffey, KK6MC/5, "Building Simple Baluns that Work"
Chuck Adams, K7QO, "Manhattan construction and the MH 101 project"
"QRP kit design" featuring Wayne Burdick, N6KR, or Eric Swartz, WA6HHQ, of Elecraft

"Reverse RFI - Interference to Amateur Radio Equipment" by Ed Hare, W1RFI, from the ARRL

"Fun on the Waterfall - Operating PSK-31" a great PSK-31 talk and demonstration by Barry Geipel, AD6CW

"Hamming in Hotel Rooms", by Vern Wright, W6MMA

..plus the usual Friday and Saturday night get-togethers, and all around good times including an "open" building contest (anything goes). So bring those projects you've been getting ready for PacifiCon and give 'em a trial run.

Contact Bill Phinizy, K6WHP, at k6whp@arrl.net or Bill Chambers, K6BNC, at k6bnc@att.net. For general convention and registration information check out the Convention website at:

<http://www.qsl.net/iecaro> or
<http://www.qsl.net/arrl-2001swdc>.

We hope to see you there!

Bill, K6WHP
k6whp@gte.net
k6whp@arrl.net

Date: Thu, 9 Aug 2001 08:37:15 -0700
From: John Rollins <kd7bcy@teleport.com>
To: QRP-L <qrp-l@lehigh.edu>

Subject: [104482] Where to find a 40673?
Message-ID: <a05010400b7985c9df7b6@[216.26.3.174]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Where are they? Quite frustrating looking for parts to build projects... Looks like NTE222 is supposed to be a replacement part, although a search at Mouser brought back the NTE221 instead. Just a database fart I guess? Or the SK3050, although I haven't checked that one. So, is there any place that still has them, and if not what's the best replacement? One particular project I'm thinking about starting is the BP-80 CW xcvr from the Feb 91 QST. Anyone here had any experience with that rig? Any comments? FAR still has the PCB's, but it looks like the parts are getting scarce!

--

```
/-----\  
| http://jrollins.tripod.com/           |  
| KD7BCY      kd7bcy@teleport.com      |  
\-----/
```

Date: Thu, 9 Aug 2001 09:41:07 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [104483] Portable Antenna
Message-ID: <Pine.LNX.4.33.0108090929050.1593-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm making a portable dipole for backpacking. The thing must be light, effective, and resonant on all the bands I want to use. Here is what I have come up with.

A wire dipole with three clip leads shorting insulators at 3 points on each side of the feedline. The wire is 32.9 feet long each side of center and is all used on 40 meters. A insulator at 23.1 feet makes it resonant at 30 meters. A insulator at 16.6 feet makes it resonant at both 20 and 10 meters. A insulator at 12.1 feet makes it resonant at 17 meters. 15 Meters uses the 40 meter setting.

The wire is #26 hookup wire silvered. The feedline is RG-174 which is light but does work with about 2 DB loss. The RG-174 BNC connector is \$8.76 from Mouser but worth it. Do not want a problem while backpacking. The insulators are perf board and the aligator clips all come from Radio Shack. The rope is nylon lacing string.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 9 Aug 2001 11:34:27 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: "Lau, Zack, W1VT" <zlau@arrl.org>
Subject: [104484] RE: Where to find a 40673?
Message-ID: <125490A005E3D3118C9C00805FC743CC023B363C@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The ECG catalog gives an ECG-222, so the NTE-222 would be the correct number. However, the ECG-222 has been discontinued, so the NTE-222 can't be that far behind. The '221 may work in some circuits.

Right now, Zack Lau is on vacation, but I think he has come up with a few suggestions for 40671 replacements. I will ask him when he gets back.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: John Rollins [mailto:kd7bcy@teleport.com]

> Sent: Thursday, August 09, 2001 11:37 AM

> To: Low Power Amateur Radio Discussion

> Subject: Where to find a 40673?

>

>

> Where are they? Quite frustrating looking for parts to build
> projects... Looks like NTE222 is supposed to be a replacement part,
> although a search at Mouser brought back the NTE221 instead. Just a
> database fart I guess? Or the SK3050, although I haven't checked that

> one. So, is there any place that still has them, and if not what's
> the best replacement? One particular project I'm thinking about
> starting is the BP-80 CW xcvr from the Feb 91 QST. Anyone here had
> any experience with that rig? Any comments? FAR still has the PCB's,
> but it looks like the parts are getting scarce!

> --

>

> /-----\
> | http://jrollins.tripod.com/ |
> | KD7BCY kd7bcy@teleport.com |
> \-----/
>

Date: Thu, 9 Aug 2001 10:45:20 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'k5di@zianet.com'" <k5di@zianet.com>, Low Power Amateur Radio Discussion
<qrp-1@lehigh.edu>
Subject: [104485] Portable Antenna & RadShack "Alligator clips"
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49D9B@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Personally, Karl, I'd stay away from ANY alligator clip
offered for sale by Radio Shack! While you're in the
Mouser catalog (or elsewhere), purchase instead the
coppler-plated alligator clips that are made my Mueller.

They don't lose their "grip" over time (like those Japanese-
made RS jobbies) and you'll have them more-or-less forever!

Karl (the "real" Karl) K - W8TIF
McKinney, Texas

-----Original Message-----

From: Karl F. Larsen [SMTP:k5di@zianet.com]
Sent: Thursday, August 09, 2001 10:41 AM
To: Low Power Amateur Radio Discussion
Subject: Portable Antenna

The insulators are perf board and the aligator clips all come from Radio
Shack. The rope is nylon lacing string.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net <mailto:k5di@arrl.net> (505)
524-3303 -

Date: Thu, 09 Aug 2001 12:03:20 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: kd7bcy@teleport.com
Cc: qrp-1@lehigh.edu
Subject: [104486] Re: Where to find a 40673?
Message-ID: <3B72B448.DEF3C59@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John Rollins wrote:

>
> Where are they? Quite frustrating looking for parts to build
> projects... Looks like NTE222 is supposed to be a replacement part,
> although a search at Mouser brought back the NTE221 instead. Just a
> database fart I guess? Or the SK3050, although I haven't checked that
> one. So, is there any place that still has them, and if not what's
> the best replacement? One particular project I'm thinking about
> starting is the BP-80 CW xcvr from the Feb 91 QST. Anyone here had
> any experience with that rig? Any comments? FAR still has the PCB's,
> but it looks like the parts are getting scarce!

Dan's Small Parts and Kits (<http://www.fix.net/dans.html>) still lists some dual-gate MOSFETs, including the 40673. They're expensive, though: \$4.50 each. At this point, all dual-gate MOSFETs are NOS; nobody is making them any more. (I'm not sure anyone is even making depletion-mode single-gate MOSFETs at this point.) I wouldn't recommend starting any new project that calls for one; save them for repair of existing equipment.

Looking on the bright side, enhancement-mode MOSFETs (VMOS and related technologies) are readily available, and improving rapidly. So far, hams have mostly been using them as RF power transistors, but they're useful for a lot of other purposes as well. Looks like time for some new designs to take full advantage of these devices.

Date: Thu, 09 Aug 2001 11:10:04 -0500
From: "George, W5YR" <w5yr@att.net>
To: WM-Scace@wiu.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [104487] Re: Expert Advice needed
Message-ID: <3B72B5DC.D960B982@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wayne, others have said that the 945 is a "good" tuner and I don't doubt it. I use the MFJ 989C and have been pleased with it.

The basic question to ask about any tuner, though, starts with the antenna system that you will be using with the tuner. Whether or not the 945 is appropriate depends upon your antenna system, how it is fed, etc.

A few details on that would help gather more advice and information.

One comment that I would make is that the design of a single tuner that can operate on 160 *and* 6 is a serious challenge. The component values are so vastly different that it almost amounts to having two separate tuners in one cabinet. I would be very suspicious of any tuner claiming that frequency range. What probably results is that the load impedance range that can be covered on 160 and on 6 is greatly restricted compared to what the tuner can handle on 80 through 10.

So, while technically one can design and build such a wide-range tuner, it is not a simple task, and I would avoid it. There are tuners on the market which are more than adequate and, unless you already have a good collection of coils and variable caps, probably cheaper in the long run.

A final comment: the less sophisticated tuners usually do not have rotary inductors - I don't know about the 945. But, with a tapped inductor and a switch, there are only discrete values of inductance that can be used. Sometimes, one of the values is either right on the button or "close enough" but often an SWR minimum cannot be obtained. The "right" value is in the crack between two switch settings. Usually this is a very minor aspect of such tuner operation and can be ignored, although with some difficult tuning situations, it can be the difference between being "tuned" and being just "close."

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Dragon Singer wrote:

>
>
> Hi Gang,
> Wayne K9DI es Sequoia here. I need to draw on the knowledge base
> here on QRP-L.

> I've been looking around at tuners and the MFJ-945E at \$100.00
> seems to be a great deal. Is this something I should jump on or should I
> keep looking. The Vectronics VC300M for \$100.00 looks alright for my needs
> as well.
> A question comes to mind. How hard and expensive would it be for me to
> homebrew an antenna tuner that can handle 160-6 metres? That is easily
> usable by a visually impaired person? Tnx in advance fer Ur help es advice

Date: Thu, 9 Aug 2001 09:21:05 -0700
From: "Robert Friess" <rfriess@attglobal.net>
To: <rfriess@attglobal.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [104488] Re: FS NorCal 40A, lower price
Message-ID: <01cd01c120ef\$4c82d600\$6501a8c0@1GHzPentiumIII>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The NC40A has been sold. Thanks to all who responded.

73,
Bob, N6CM

----- Original Message -----
From: "Robert Friess" <rfriess@attglobal.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 09, 2001 7:50 AM
Subject: FS NorCal 40A, lower price

> The asking price must have been too high. One more try before it goes to
> ebay.
>
> For Sale
>
> NorCal 40A with KC1. Excellent physical and electrical condition. No
Mods.
> I can't find a scatch on it. This beauty can be seen at:
>
> www.geocities.com/refriess/NorCal40A.jpg
>
> \$125 shipped to your door in conus.
>
> 73,
>

> Bob, N6CM
>
>

Date: Thu, 09 Aug 2001 12:15:02 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kd7bcy@teleport.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [104489] Re: Where to find a 40673?
Message-ID: <3B72B706.DD18C7A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

As Ed indicated the NTE222 is the correct replacement. However, they may be out of production or in limited production. I also believe there is a pin difference between the NTE222 and the 40673. The dual gate Mosfet is slowly being dropped from most lines! You might try Dan's Small Parts for a substitute.

73

Date: Thu, 9 Aug 2001 17:46:38 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [104490] Re: Where to find a 40673?
Message-ID: <013301c120f0\$51d2e4a0\$c2ad01d9@ingo>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello John,

> Where are they? Quite frustrating looking for parts to build
> projects...

looking also for

BF964S (Uds=20V, Ids=50mA, Y21=15mS, F(200MHz)=1,0dB

or

BF981 similar values but Ids<30mA <- pin compatible

72 de Ingo, DK3RED (Don't forget: the fun is the power !)

eMail: dk3red@qsl.net - homepage: www.qsl.net/dk3red

Date: Thu, 9 Aug 2001 12:58:08 -0400
From: Tim O'Rourke <TO'Rourke@KaiserFT.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [104491] MFJ-1621
Message-ID: <910D8E9955E3D411B3AE00A0C9319CB80C636D@MAIL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I have the MFJ-1621, an MP-1, PW-1 and others. I did a comparison of the PW-1, MFJ-1621, and the outbacker on my back porch. The MFJ-1621 did not fair too well, the PW-1 from Super antenna and the Outbacker were 1-2 S units higher on receive and on contacts I would make contact with PW-1 and then switch to MFJ-1621 and they could not hear me. I tried to keep all the variables the same between the antennas so conditions were not a factor. I have used the MFJ-1621 as a receive antenna for xtal sets with some success as I can block some of the stronger out of band signals. A dipole will still be at least 2 S units higher than any of the small verticles.

Tim O'Rourke KG4CHX

Date: Thu, 9 Aug 2001 13:02:17 -0400
From: "John Mc Donough" <jpm1@bellatlantic.net>
To: <w1rfi@arrl.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104492] Re: Where to find a 40673?
Message-ID: <00b001c120f5\$11e23bc0\$1a5bfea9@jpm1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I saw dual-gate mosfets listed at Dans Small Parts
<http://www.fix.net/dans.html> for \$4.50

> Right now, Zack Lau is on vacation, but I think he has come up with a few
> suggestions for 40671 replacements. I will ask him when he gets back.

I too would be interested in 40671 replacements. What happen to dual-gate mosfets anyway?

----- Original Message -----

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, August 09, 2001 11:34 AM

Subject: RE: Where to find a 40673?

> The ECG catalog gives an ECG-222, so the NTE-222 would be the correct
> number. However, the ECG-222 has been discontinued, so the NTE-222 can't
be

> that far behind. The '221 may work in some circuits.

>

> Right now, Zack Lau is on vacation, but I think he has come up with a few
> suggestions for 40671 replacements. I will ask him when he gets back.

>

> 73,

> Ed Hare, W1RFI

> ARRL Lab

> 225 Main St

> Newington, CT 06111

> Tel: 860-594-0318

> Internet: w1rfi@arrl.org

> Web: <http://www.arrl.org/tis>

>

>

>

> > -----Original Message-----

> > From: John Rollins [mailto:kd7bcy@teleport.com]

> > Sent: Thursday, August 09, 2001 11:37 AM

> > To: Low Power Amateur Radio Discussion

> > Subject: Where to find a 40673?

> >

> >

> > Where are they? Quite frustrating looking for parts to build
> > projects... Looks like NTE222 is supposed to be a replacement part,
> > although a search at Mouser brought back the NTE221 instead. Just a
> > database fart I guess? Or the SK3050, although I haven't checked that
> > one. So, is there any place that still has them, and if not what's
> > the best replacement? One particular project I'm thinking about
> > starting is the BP-80 CW xcvr from the Feb 91 QST. Anyone here had
> > any experience with that rig? Any comments? FAR still has the PCB's,
> > but it looks like the parts are getting scarce!

> > --

> >

```
> > /-----\
> > | http://jrollins.tripod.com/ |
> > | KD7BCY kd7bcy@teleport.com |
> > \-----/
> >
```

Date: Thu, 9 Aug 2001 13:18:54 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <mark@buttery.org>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [104493] 40673 dual-gate MOSFET quality
Message-ID: <000201c120f7\$5e9c5840\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In addition to the other aspects mentioned by list members, I recall that not all 40673 dual-gate MOSFETs were alike.

When I worked as a Heathkit service technician back in the mid-1970s, for example, there were various vendors supplying them to Heath. The Heath p/n 417-240 for an RCA 40673 was VERY different than p/n 417-274 (how is that I remember those numbers after all these years?). If a circuit wouldn't work with a -240, we would pull it, and solder-in a -274!

This should remind any homebrewer that device parameters can vary--sometimes in unexpected ways.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Mark J. Dulcey
Sent: Thursday, August 09, 2001 12:03 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Where to find a 40673?

John Rollins wrote:

```
>
> Where are they? Quite frustrating looking for parts to build
> projects... Looks like NTE222 is supposed to be a replacement part,
```

> although a search at Mouser brought back the NTE221 instead. Just a
> database fart I guess? Or the SK3050, although I haven't checked that
> one. So, is there any place that still has them, and if not what's
> the best replacement? One particular project I'm thinking about
> starting is the BP-80 CW xcvr from the Feb 91 QST. Anyone here had
> any experience with that rig? Any comments? FAR still has the PCB's,
> but it looks like the parts are getting scarce!

Dan's Small Parts and Kits (<http://www.fix.net/dans.html>) still lists some dual-gate MOSFETs, including the 40673. They're expensive, though: \$4.50 each. At this point, all dual-gate MOSFETs are NOS; nobody is making them any more. (I'm not sure anyone is even making depletion-mode single-gate MOSFETs at this point.) I wouldn't recommend starting any new project that calls for one; save them for repair of existing equipment.

Looking on the bright side, enhancement-mode MOSFETs (VMOS and related technologies) are readily available, and improving rapidly. So far, hams have mostly been using them as RF power transistors, but they're useful for a lot of other purposes as well. Looks like time for some new designs to take full advantage of these devices.

Date: Thu, 9 Aug 2001 12:26:46 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [104494] UPS deal at Office Max? Not in Dallas!
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49D9D@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I went to the Office Max store across the street from my office and while they indeed had the BF-350 battery backup system at \$89.99 (4 cents more than in Lewisville) and they were showing a \$30.00 discount ".... At the register...." They did not have a coupon for a further \$50 discount, nor did they seem to know about it. There were no discount coupons, by the way, near the BF-350 shelf that I could see....

Hmmm.... It looks like, Preston, you found an extremely good Deal!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Preston [SMTP:pdubuck@earthlink.net]
Sent: Tuesday, August 07, 2001 4:35 PM
To: Low Power Amateur Radio Discussion
Subject: UPS deal at Office Max

Greetings all,

I stumbled across a deal on APC UPS's at Office Max.

Their BF-350 Battery Backup 350VA normally lists for \$89.95. There is a \$30 in-store rebate and a \$50 mail-in rebate. This lasts until 14 Aug 01. The backup has 6 outlets, 3 are on the battery and all are surge protected. There is also a RJ-11 plug to protect your phone and a serial cable to connect to your PC for auto shutdown. Supposedly it will give me about 10 minutes to shut my system down if the power fails.

Note that there are two 350VA UPS's. The one on sale is the black one with the smaller footprint.

The Office Max I was at (Lewisville, TX) had a sign posted by the surge protectors or I wouldn't have discovered it. The staff there didn't know about it either. They had to look it up in the flyer to find the right UPS. Plus, they didn't have any of the mail-in forms so they gave me the total discount on the spot!

The UPS is supplied with a 12V 1.7 Ahr battery. I will probably swap it out for a higher capacity SLA once I figure out the charge current the thing can produce.

73

Preston, n0glm, Ellis County TX

Date: Thu, 9 Aug 2001 12:29:19 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [104495] 40673 dual-gate MOSFET quality
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49D9E@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

And 40673 dual-gate MOSFETs were *notorious* for the wide-spread variation in pinch-off voltage, gain, et cetera

(not "ek setera").

There are far better choices for d-g MOSFETs (if you can find them) with "tighter specs".

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: AI2Q Alex [SMTP:ai2q@adelphia.net]
Sent: Thursday, August 09, 2001 12:19 PM
To: Low Power Amateur Radio Discussion
Subject: 40673 dual-gate MOSFET quality

In addition to the other aspects mentioned by list members, I recall that not all 40673 dual-gate MOSFETs were alike.

When I worked as a Heathkit service technician back in the mid-1970s, for example, there were various vendors supplying them to Heath. The Heath p/n 417-240 for an RCA 40673 was VERY different than p/n 417-274 (how is that I remember those numbers after all these years?). If a circuit wouldn't work with a -240, we would pull it, and solder-in a -274!

This should remind any homebrewer that device parameters can vary--sometimes in unexpected ways.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Mark J. Dulcey
Sent: Thursday, August 09, 2001 12:03 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Where to find a 40673?

John Rollins wrote:

>

> Where are they? Quite frustrating looking for parts to build
> projects... Looks like NTE222 is supposed to be a replacement part,
> although a search at Mouser brought back the NTE221 instead. Just a
> database fart I guess? Or the SK3050, although I haven't checked that
> one. So, is there any place that still has them, and if not what's
> the best replacement? One particular project I'm thinking about
> starting is the BP-80 CW xcvr from the Feb 91 QST. Anyone here had

> any experience with that rig? Any comments? FAR still has the PCB's,
> but it looks like the parts are getting scarce!

Dan's Small Parts and Kits (<http://www.fix.net/dans.html>) still lists some dual-gate MOSFETs, including the 40673. They're expensive, though: \$4.50 each. At this point, all dual-gate MOSFETs are NOS; nobody is making them any more. (I'm not sure anyone is even making depletion-mode single-gate MOSFETs at this point.) I wouldn't recommend starting any new project that calls for one; save them for repair of existing equipment.

Looking on the bright side, enhancement-mode MOSFETs (VMOS and related technologies) are readily available, and improving rapidly. So far, hams have mostly been using them as RF power transistors, but they're useful for a lot of other purposes as well. Looks like time for some new designs to take full advantage of these devices.

Date: Thu, 9 Aug 2001 13:58:11 -0500
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [104496] Looking for Poqet PC
Message-ID: <F05408425630D4118DEE0000F840B5D485CB4E@alrsrcv02.fssec.army.mil>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Looking for a Poqet PC at a reasonable price. Would like to get the classic if possible. Wish I hadn't sold mine but you know how some folks are. Please reply offline.

Steve Brockwell KC5TTY
brockwse@fssec.army.mil

Date: Thu, 09 Aug 2001 13:58:16 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: Karl.Kanalz@allegiancetelecom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104497] Re: UPS deal at Office Max? Not in Dallas!
Message-ID: <3B72DD47.7BEC99EF@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

"Kanalz, Karl" wrote:

>
> I went to the Office Max store across the street from my
> office and while they indeed had the BF-350 battery backup
> system at \$89.99 (4 cents more than in Lewisville) and they
> were showing a \$30.00 discount ".... At the register...." They
> did not have a coupon for a further \$50 discount, nor did they
> seem to know about it. There were no discount coupons, by
> the way, near the BF-350 shelf that I could see....

I bought a BF-350 from Office Depot here in St. Louis about two weeks ago for I believe \$49.95. No coupons or rebates.

73 de Dave, N0IT

Date: Thu, 09 Aug 2001 12:45:52 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>, Elecraft mail list <elecraft@qth.net>, GQRP <gqrp@egroups.com>
Subject: [104498] New Elecraft product: KAF2 Audio Filter & Real-time clock
Message-ID: <3B72E870.552E474B@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The KAF2 supplements the K2's crystal filters with effective, low-noise audio filtering. It also adds a real-time clock, allowing you to check the time or date with a tap of the K2's DISPLAY button (details below).

Audio Filter

The KAF2 includes a passive, balanced low-pass filter (LPF) that significantly attenuates splatter, carriers, and wideband I.F. noise above 3 kHz. It's especially useful on quiet bands, with the preamp off, or when using small, low-noise receiving antennas. It completely eliminates the hiss sometimes heard when using hi-fi headphones. The passband has very low ripple, so the filter has no impact on speech or data signals.

Also included is an active, two-stage, narrow band-pass filter for CW or data use. It can be used in conjunction with the K2's variable-bandwidth CW filter, providing a significant improvement in skirt selectivity and in noise reduction. The center frequency is tunable over the K2's entire 400-800 Hz CW offset/sidetone range. The -3 dB bandwidth of the cascaded filter sections is about 80 Hz, ideal for digging weak signals out of QRN or QRM, and the Q of both stages is low enough to avoid excessive ringing. The AFIL switch on the K2 front panel turns the band-pass filter on or off.

Real-Time Clock (RTC)

The real-time clock displays 24-hour time, as well as both MM-DD-YY and DD-MM-YY date formats. Time and date can be easily set using the BAND+ and BAND- switches. The RTC is very convenient for field operation since it eliminates the need to bring a separate clock. The on-board lithium backup battery will power the clock for up to several years, and can be replaced by removing either the K2's top cover or left side panel.

Price and Availability

The KAF2 is priced at \$69 and can be ordered now. The kit will be shipped beginning about Sept. 7th. Orders will be shipped in the order received. Note: K2 firmware revision 2.01b or later is required to use the clock feature. If your firmware is older, you'll receive a free upgrade with purchase of the KAF2.

If possible, please order using our on line order form at <http://www.elecrafter.com> (This will avoid overloading Lisa with telephone calls.) Of course please feel free to call us if you prefer to order that way or have questions about the KAF2.

73, Wayne (N6KR) and Eric (WA6HHQ)

--

<http://www.elecrafter.com>

Date: Thu, 09 Aug 2001 12:49:07 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>, Elecraft mail list <elecraft@qth.net>, GQRP <gqrp@egroups.com>
Subject: [104499] KAF2 Pictures
Message-ID: <3B72E933.7BBEE2A2@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I forgot to mention that we have pictures of the KAF2 on our web page at:
<http://www.elecrafter.com/kaf2.htm>

73, Eric WA6HHQ

Date: Thu, 09 Aug 2001 13:01:51 -0700
From: Russ Carpenter <russ@natworld.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [104500] Results of the AUGUST SPARTAN SPRINT
Message-ID: <B7983A3E.8BD7%russ@natworld.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

Life was good for the August Spartan Sprint. By and large, conditions were favorable, and an excellent turnout kept 7.040 and 14.060 MHz hopping. Doc, K0EVZ, won the Skinny Division, and it was encouraging to see a simple, inexpensive radio like the SST perform so well.

Each contact received one point. If you didn't tell us the weight of your station, or if it weighed more than the Blob, we assigned a weight of 30 pounds.

The soapbox was published separately in the August issue of The ARS Sojourner, which went live today. Check it out! <http://www.natworld.com/ars>

THE SKINNY DIVISION (results sorted in order of points per pound)

Call	Name	80m	40m	20m	15m	10m	Total Points	Wt.	Points/ Pound
K0EVZ	Doc	0	0	48	0	0	48	1.05	45.71
N2XE	John	0	0	23	0	0	23	.8	28.75
W3KC	Charles	0	29	30	0	0	59	2.1	28.10
W0CH	David	0	0	30	0	0	30	1.15	26.09
N3AO	Carter	0	37	14	0	0	51	2	25.50
K1CL	Chuck	0	17	25	0	0	42	2.1	20.00
N7RVD	Brian	0	0	6	0	0	6	.39	15.38
AE6N	Jim	0	5	22	0	0	27	1.9	14.21
N7XJ	Bob	0	23	49	0	0	72	5.4	13.33
K4FDK	John	0	14	0	0	0	14	1.2	11.67
K4GT	Jim	0	4	19	0	0	23	2	11.50
W2AGN	John	0	18	7	0	0	25	2.2	11.36
W1PID	Jim	0	0	14	0	0	14	1.25	11.20
K4MF	Gary	0	12	32	0	0	44	4.35	10.11
NW7DX	Ben	0	7	34	1	0	42	4.5	9.33
N2CQ	Ken	0	24	25	0	0	49	7	7.00
AA8SN	Hope	0	12	10	0	0	22	3.6	6.11
W2QU	David	0	7	5	0	0	12	2	6.00
N4EJG	Ed	0	6	11	0	0	17	2.9	5.86
NQ7X	Floyd	0	0	29	0	0	29	6	4.83
KF0N	Larry	0	24	5	0	0	29	6	4.83
N5IW	Dave	0	11	41	0	0	52	11	4.73
K5HWT	Morg	0	0	6	0	0	6	1.3	4.62
KH6B	Dean	0	0	19	1	0	20	4.5	4.44
K4AVX	John	0	19	13	0	0	32	8	4.00
VE3/K6PZB	John	0	0	6	0	0	6	1.5	4.00
K4KJP	Terry	0	0	10	0	0	10	2.5	4.00
K04WX	Mike	0	0	7	0	0	7	2	3.50
AF4PP	Chuck	0	13	1	0	0	14	4.5	3.11

KB9LCK	Chris	0	9	3	0	0	12	4	3.00
WA9TZE	Jim	6	30	41	0	0	77	30	2.57
W2BVH	Lennny	2	5	10	0	0	17	7	2.43
K7RE	Brian	0	6	54	0	0	60	30	2.00
K8CV	Walt	0	27	20	0	0	47	30	1.57
KW4JS	John	0	12	0	0	0	12	8	1.50
K6III	Jerry	0	0	40	0	0	40	30	1.33
KA8LLE	Ben	2	8	6	0	0	16	12	1.33
KB4FXG	Bill	0	4	10	0	0	14	10.66	1.31
N1Q0	Lohn	0	18	20	0	0	38	30	1.27
AC7CF	Andrew	0	0	6	0	0	6	5	1.20
AB2KT	Frank	0	7	4	0	0	11	10	1.10
W3ERU	Wes	0	13	16	0	0	29	30	0.97
WA5BDU	Nick	0	0	6	0	0	6	6.5	0.92
N0IBT	Dave	0	0	4	0	0	4	4.5	0.89
N0RC	Rod	0	0	13	0	0	13	15	0.87
AA7EQ	Robert	0	0	22	0	0	22	30	0.73
AC5K	Wes	0	5	14	0	0	19	30	0.63
WA0RSE	Paul	0	0	19	0	0	19	30	0.63
K8KFJ	Garie	0	10	9	0	0	19	30	0.63
WD0DDU	Layne	0	0	6	0	0	6	9.65	0.62
K0CO	Jack	0	9	9	0	0	18	30	0.60
AB6QR	Dennis	0	0	14	0	0	14	30	0.47
VE6QSL	John	0	0	13	0	0	13	30	0.43
W4NJK	Charlie	0	3	12	0	0	15	35	0.43
N4UY	N4UY	0	2	1	0	0	3	10	0.30
AL7FS	Jim	0	0	6	0	0	6	30	0.20
WF6D	Bill	0	1	4	0	0	5	30	0.17

THE TUBBY DIVISION (results sorted in order of points)

Call	Name	80m	40m	20m	15m	10m	Total Points
WA9TZE	Jim	6	30	41	0	0	77
N7XJ	Bob	0	23	49	0	0	72
K7RE	Brian	0	6	54	0	0	60
W3KC	Charles	0	29	30	0	0	59
N5IW	Dave	0	11	41	0	0	52
N3AO	Carter	0	37	14	0	0	51
N2CQ	Ken	0	24	25	0	0	49
K0EVZ	Doc	0	0	48	0	0	48
K8CV	Walt	0	27	20	0	0	47
K4MF	Gary	0	12	32	0	0	44
NW7DX	Ben	0	7	34	1	0	42
K1CL	Chuck	0	17	25	0	0	42
K6III	Jerry	0	0	40	0	0	40
N1Q0	Lohn	0	18	20	0	0	38

K4AVX	John	0	19	13	0	0	32
W0CH	David	0	0	30	0	0	30
NQ7X	Floyd	0	0	29	0	0	29
W3ERU	Wes	0	13	16	0	0	29
KF0N	Larry	0	24	5	0	0	29
AE6N	Jim	0	5	22	0	0	27
W2AGN	John	0	18	7	0	0	25
K4GT	Jim	0	4	19	0	0	23
N2XE	John	0	0	23	0	0	23
AA7EQ	Robert	0	0	22	0	0	22
AA8SN	Hope	0	12	10	0	0	22
KH6B	Dean	0	0	19	1	0	20
AC5K	Wes	0	5	14	0	0	19
WA0RSE	Paul	0	0	19	0	0	19
K8KFJ	Garie	0	10	9	0	0	19
K0CO	Jack	0	9	9	0	0	18
W2BVH	Lennny	2	5	10	0	0	17
N4EJG	Ed	0	6	11	0	0	17
KA8LLE	Ben	2	8	6	0	0	16
W4NJK	Charlie	0	3	12	0	0	15
W1PID	Jim	0	0	14	0	0	14
K4FDK	John	0	14	0	0	0	14
KB4FXG	Bill	0	4	10	0	0	14
AB6QR	Dennis	0	0	14	0	0	14
AF4PP	Chuck	0	13	1	0	0	14
N0RC	Rod	0	0	13	0	0	13
VE6QSL	John	0	0	13	0	0	13
KW4JS	John	0	12	0	0	0	12
W2QU	David	0	7	5	0	0	12
KB9LCK	Chris	0	9	3	0	0	12
AB2KT	Frank	0	7	4	0	0	11
K4KJP	Terry	0	0	10	0	0	10
K04WX	Mike	0	0	7	0	0	7
WD0DDU	Layne	0	0	6	0	0	6
AC7CF	Andrew	0	0	6	0	0	6
K5HWT	Morg	0	0	6	0	0	6
N7RVD	Brian	0	0	6	0	0	6
WA5BDU	Nick	0	0	6	0	0	6
VE3/K6PZB	John	0	0	6	0	0	6
AL7FS	Jim	0	0	6	0	0	6
WF6D	Bill	0	1	4	0	0	5
N0IBT	Dave	0	0	4	0	0	4
N4UY	N4UY	0	2	1	0	0	3

Thanks for your support of The Adventure Radio Society!

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 9 Aug 2001 16:51:14 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104501] FS/FT: MFJ 9030
Message-ID: <001101c12115\$0902e8e0\$8371ccd8@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi again all,

Still have a very nice MfJ 9030 for sale in great shape with the optional CW filter and manual will ship Conus \$140.00 or would consider trade for other qrp transceiver/ SWL PSK 20 ,30 or 40.

Thanks for the BW.
73 dave kc1di

Date: Thu, 9 Aug 2001 14:08:36 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [104502] Now Showing - The ARS Sojourner
Message-ID: <20010809210836.15965.qmail@web12103.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The August edition of the Adventure Radio Society's monthly web magazine, The ARS Sojourner, is hot off the virtual press and free for the clicking at:

<http://www.natworld.com/ars>

Here's a sampling of what's in store:

- + A comparison of trailside antennas, by Bruce Draper, AA5B
- + A Bee Postcard from N6XI, by Rick Tavan, N6XI
- + Trip to the Top of Missouri, by David Bixler, W0CH

- + High Points Chronicle: Assault on Harney Peak, South Dakota, by Gary Slagel, N0SXX
- + The Buzz From Some of the Bees: Soapbox Comments from FOBB '01, By The ARS Sojourner
- + From Our Vantage Point: Keeping One Step Ahead of the Heat (and Other Potential Killers, an ARS editorial
- + Who's Who and Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN
- + Results and soapbox comments from this month's Spartan Sprint, with special recognition to K0EVZ and WA9TZE - winners of the Skinny and Tubby divisions respectively.
- + The Wilderness Alerts for August 2001 (regularly updated)
- + Upcoming ARS events, including The ARS Rendezvous, August 24-26, and The September Spartan Sprint, September 3.

On behalf of webmaster Russ Carpenter, AA7QU, The ARS Sojourner staff and contributing writers, we hope you enjoy the August edition. As always, we appreciate your feedback and editorial contributions for coming editions.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

Do You Yahoo!?

Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Thu, 09 Aug 2001 18:42:07 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>, FP List <fpqrp-l@mpna.com>
Subject: [104503] For Sale: PN2222A's
Message-ID: <3B7311BF.F9AFD23B@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have for sale new Fairchild PN2222A's in T0-92 case.

45 for \$4.50 shipped to your door in the USA. Will ship to DX...contact me to discuss shipping.

Please let me know if interested or if you have questions.

73

Paul K4FB

End of QRP-L Digest 2276

